



National Nutrient Database for Standard Reference
Release 28 slightly revised May, 2016

Statistics Report 09215, Orange juice, frozen concentrate, unsweetened, diluted with 3 volume water

Report Date: June 30, 2017 15:57 EDT

Nutrient values and weights are for edible portion.

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Proximates													
Water	g	90.07	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Energy	kcal	37	--	--	--	--	--	--	--	--	Calculated or imputed	--	06/2014
Energy	kJ	155	--	--	--	--	--	--	--	--	Calculated or imputed	--	06/2014
Protein	g	0.60	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Total lipid (fat)	g	0.06	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Ash	g	0.47	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Carbohydrate, by difference	g	8.80	--	--	--	--	--	--	--	--	Calculated or imputed	--	06/2014
Fiber, total dietary	g	0.2	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Sugars, total	g	7.42	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Minerals													
Calcium, Ca	mg	12	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
Iron, Fe	mg	0.08	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
Magnesium, Mg	mg	10	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	08/1982
Phosphorus, P	mg	15	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
Potassium, K	mg	158	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
Sodium, Na	mg	4	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
Zinc, Zn	mg	0.04	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
Copper, Cu	mg	0.021	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Selenium, Se	µg	0.1	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Vitamins													
Vitamin C, total ascorbic acid	mg	36.2	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Thiamin	mg	0.069	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Riboflavin	mg	0.044	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Niacin	mg	0.273	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Vitamin B-6	mg	0.065	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Folate, total	µg	19	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Folic acid	µg	0	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Folate, food	µg	19	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Folate, DFE	µg	19	--	--	--	--	--	--	--	--	Calculated or imputed	--	06/2014
Choline, total	mg	5.0	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Vitamin B-12	µg	0.00	--	--	--	--	--	--	--	--	Assumed zero	--	08/1982
Vitamin B-12, added	µg	0.00	--	--	--	--	--	--	--	--	Assumed zero	--	09/2004

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Vitamin A, RAE	µg	3	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
Retinol	µg	0	--	--	--	--	--	--	--	--	Assumed zero	--	06/2002
Carotene, beta	µg	13	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Carotene, alpha	µg	5	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Cryptoxanthin, beta	µg	48	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Vitamin A, IU	IU	66	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Lycopene	µg	0	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Lutein + zeaxanthin	µg	83	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Vitamin E (alpha-tocopherol)	mg	0.15	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Vitamin E, added	mg	0.00	--	--	--	--	--	--	--	--	Assumed zero	--	09/2004
Vitamin D (D2 + D3)	µg	0.0	--	--	--	--	--	--	--	--	Assumed zero	--	11/2008
Vitamin D	IU	0	--	--	--	--	--	--	--	--	Assumed zero	--	02/2009
Vitamin K (phylloquinone)	µg	0.1	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Lipids													
Fatty acids, total saturated	g	0.015	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
4:0	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
6:0	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
8:0	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
10:0	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
12:0	g	0.001	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
14:0	g	0.001	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
16:0	g	0.011	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
18:0	g	0.002	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
Fatty acids, total monounsaturated	g	0.012	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
16:1 undifferentiated	g	0.002	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
18:1 undifferentiated	g	0.011	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
20:1	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
22:1 undifferentiated	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Fatty acids, total polyunsaturated	g	0.016	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
18:2 undifferentiated	g	0.012	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
18:3 undifferentiated	g	0.004	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	06/2014
18:4	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
20:4 undifferentiated	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
20:5 n-3 (EPA)	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
22:5 n-3 (DPA)	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
22:6 n-3 (DHA)	g	0.000	--	--	--	--	--	--	--	--	Analytical or derived from analytical	--	02/1995
Fatty acids, total trans	g	0.000	--	--	--	--	--	--	--	--	Aggregated data involving combinations of source codes 1 & 12	--	06/2014
Cholesterol	mg	0	--	--	--	--	--	--	--	--	Assumed zero	--	08/1982
Other													
Alcohol, ethyl	g	0.0	--	--	--	--	--	--	--	--	Assumed zero	--	04/1985

Nutrient	Unit	Value Per100 g	Data Points	Std. Error	Min	Max	df	LB	UB	# Studies	Source	NDB Ref	Last Modified
Caffeine	mg	0	--	--	--	--	--	--	--	--	Assumed zero	--	01/2003
Theobromine	mg	0	--	--	--	--	--	--	--	--	Assumed zero	--	01/2003
Flavonoids													
Flavanones													
Hesperetin ^{1 2 3}	mg	26.2	--	1.43	15.35	32.59	--	--	--	--	--	--	--
Naringenin ^{1 2 3}	mg	3.3	--	0.14	2.56	4.38	--	--	--	--	--	--	--

¹Bronner, W. E., and Beecher, G. R. Extraction and measurement of prominent flavonoids in orange and grapefruit juice concentrates., 1995 J. Chromatogr. A 705 pp.247-256

²Ooghe, W. C., and Detavernier, C. M. Detection of the addition of citrus reticulata and hybrids to citrus sinensis by flavonoids., 1997 J. Agric. Food Chem. 45 pp.1633-1637

³Pupin A. M., Dennis, M. J., and Toledo, M. C. F. Flavanone glycosides in Brazilian orange juice., 1998 Food Chem. 61 pp.275-280